
3.4 GMCS Responsibilities

The responsibilities listed in this section are in addition to those responsibilities specified in the *Agreement* and are to be provided at no charge to IBM. IBM's performance is predicated upon the following responsibilities being fulfilled by GMCS.

3.4.1 GMCS Project Manager

Prior to the start of this Statement of Work under the Agreement, GMCS will designate a person, called the GMCS Project Manager, to whom all IBM communications will be addressed and who has the authority to act for GMCS in all aspects of the contract.

The GMCS Project Manager's responsibilities include:

- Serve as the interface between the IBM project team and all GMCS departments participating in this project.
- Communicating with appropriate personnel at your locations where work will take place and obtaining all necessary approvals.
- With the IBM Project Manager, administer Project Change Control.
- Attend project status meetings.
- Obtain and provide information, data, decisions and approvals, within three (3) working days of IBM's request unless GMCS and IBM agree to an extended response time.
- Help resolve and escalate project issues within the GMCS organization, as necessary.

3.4.2 Additional Responsibilities

GMCS is responsible to:

- Provide IBM with network and I/T documentation including the most current network designs, hardware, software, technologies and technology detail and plans.
- Fund any required travel and living expenses for GMCS personnel.
- Provide full access to all GMCS school locations as required under this Statement of Work.
- Provide all the necessary closet and/or equipment areas for location of network electronics, racks and cabinets as described within this Statement of Work.
- Provide all necessary power and environmental support to accommodate IBM provided equipment.
- Inform IBM of any change in network requirements in accordance with the IBM Project Change Control Procedure, Appendix B.
- Should GMCS require IBM to utilize buried or underground conduit that does not currently exist, GMCS will provide required conduit and trenching within the project schedule timeframe.
- Provide personnel to witness and authorize standard testing of each school building as the installation/testing activities are completed.

- Contract directly with telecommunications providers for required construction, installation (turn-up) and ongoing monthly charges for telecommunications lines.
- Verify telecommunications providers adherence to project plan.
- Provide client workstations with hardware and software capable of supporting the NetVista servers installed under this Statement of Work.
- Contract with an Internet Service Provider (ISP) and provide secured / designated TCP/IP addresses, domain name, net mask, and upstream router connection.

3.4.3 Office Space and Other Facilities

- Provide suitable air conditioned/heated office space, office supplies, furniture, telephone and other facilities equivalent to those provided to GMCS employees for the IBM project team while working on GMCS premises.

3.4.4 Security and Laws

- GMCS is responsible for the actual content of any data file, selection and implementation of controls on its access and use, and security of the stored data.
- GMCS will identify and make the interpretation of any applicable federal, state and local laws, regulations and statutes and insure that products of the system meet those requirements.

3.5 Deliverable Materials

The following items will be delivered to GMCS under this Statement of Work.

- Type I: none.
- The following deliverables are Type II:
 - Bi-weekly Status Report.
 - Campus Cabling Test Results document.
 - As-Built Campus Cabling document.
 - Network Electronics Configuration Parameters document.
 - Server Products Configuration Parameters document.
 - Private Branch Exchanges (PBX) Configuration Parameters document.

3.6 Estimated Schedule

The services for Phase 2 - Network Implementation Services is estimated as follows:

- May 1, 1998 - IBM receives written approval from District to proceed with Phase 2, Network Implementation Services (Universal Service Fund funding received by District).
- December 31, 1998 - IBM Completes Phase 2, Network Implementation Services, portion of the Statement of Work.

3.7 Completion Criteria

IBM shall have fulfilled its obligations under this Statement of Work when any one (1) of the following first occurs:

- IBM accomplishes the IBM tasks described in 3.3, "IBM Responsibilities," including delivery to GMCS of the materials listed in 3.6, "Deliverable Materials."
- GMCS terminates the Project in accordance with the provisions of the *Agreement*.
- The estimated end date is reached.

3.8 Charges

IBM will provide the products and services as outlined in this Project Change Request for a fixed price of \$14,427,229 plus applicable taxes estimated at \$270,000. Travel charges for IBM team members are included in this fixed price.

GMCS will be invoiced monthly for Services performed and Products provided during the previous month. Invoices are payable upon receipt.

Appendix A. Deliverable Guidelines

A.1 Status Report

Purpose: IBM will provide a bi-weekly Status Report during the project to describe the activities which took place during that period. Significant accomplishments, milestones, and problems will be described.

Delivery: One (1) hard copy will be delivered to the GMCS Project Manager within five (5) working days following the reporting period.

Content: The report will consist of the following, as appropriate:

- Activities performed during the reporting period
- Activities planned for the next reporting period
- Hours summary
 - Hours originally estimated
 - Hours expended during this reporting period
 - Hours expended to date and Estimated remaining hours
- Project change control summary
- Problems, concerns, and recommendations
- Other items of importance

A.2, A.3, A.4, and A.5 Deliverables relate to Phase 1 only and have been intentionally omitted from this Project Change Request.

A.6 Campus Cabling Test Results document

Purpose: IBM will provide a Campus Cabling Test Results document demonstrating test results for Category 5 and multi-mode fiber optic cabling installed.

Delivery: One (1) hard copy will be delivered to the GMCS Project Manager.

Content: Test results will provide demonstrated compliance with the following:

Category 5 Cabling

- Category 5 (data) compliance testing per UL standards
- Category 5 (voice) continuity testing point-to-point

Multi-mode Fiber optic cabling

- Transmission and path loss testing (OTDR or Light Meter testing)

A.7 As-Built Campus Cabling document

Purpose: IBM will provide an As-Built Campus Cabling document providing marked-up 8 1/2" x 11" plan views showing drop and MDF/IDF locations for sites where IBM has provided Campus Cabling under this Statement of Work.

Delivery: One (1) hard copy will be delivered to the GMCS Project Manager.

Content: The as-built document will consist of one (1) marked-up 8 1/2" x 11" plan view for each site.

A.8 Network Electronics Configuration Parameters document

Purpose: IBM will provide a Network Electronics Configuration Parameters document with detailed configuration information for devices installed by IBM under this Statement of Work.

Delivery: One (1) hard copy will be delivered to the GMCS Project Manager.

Content: The configuration document will include the following information, as applicable, for each device:

- Name address(es)
- Subnet mask(s)
- Time, date
- SNMP information
- Assignment of blades and/or ports to backplane circuits
- Port characteristics

A.9 Delete from Statement of Work - This Deliverable applied to the testing of an IBM-provided fiber optic Wide Area Network that will no longer be provided by IBM.

A.10 Delete from Statement of Work - This Deliverable applied to as-built documentation of an IBM-provided fiber optic Wide Area Network that will no longer be provided by IBM.

A.11 Server Products Configuration Parameters document

Purpose: IBM will provide a Server Products Configuration Parameters document with detailed configuration information for server products installed under this Statement of Work.

Delivery: One (1) hard copy will be delivered to the GMCS Project Manager.

Content: The configuration document will include the following information, as applicable, for each device:

- Hardware and options installed
- Network Operating System (NOS) configuration(s)
- NetVista configuration(s)
- TCP/IP address(es)
- Subnet mask(s)
- DHCP server data
- DNS primary server
- DNS secondary server
- DNS cache server
- Firewall configurations
- Domino e-mail and web server configurations
- Time, and date

Note: above configurations do not include user ids or individual e-mail addressing

A.12 Private Branch Exchange (PBX) Configuration Parameters document

Purpose: IBM will provide a Private Branch Exchange Configuration Parameters document with detailed configuration information for Private Branch Exchange products installed under this Statement of Work.

Delivery: One (1) hard copy will be delivered to the GMCS Project Manager.

Content: The configuration document will include the following information, as applicable, for each PBX:

- Hardware and options installed
- System configurations
- Parts in use
- Vacant slots
- Station configurations
- Station programs
- Station call path

Appendix B. Project Change Control Procedure

- A Project Change Request (PCR) will be the vehicle for communicating change. The PCR must describe the change, the rationale for the change and the effect the change will have on the project.
- The designated Project Manager of the requesting party will review the proposed change and determine whether to submit the request to the other party.
- Both Project Managers will review the proposed change and approve it for further investigation or reject it. IBM will specify any charges for such investigation. If the investigation is authorized, the Project Managers will sign the PCR which will constitute approval for the investigation charges. IBM will invoice GMCS for any such charges. The investigation will determine the effect that the implementation of the PCR will have on price, schedule and other terms and conditions of the Agreement.

APPENDIX C. LOCATIONS

CROWNPOINT CONNECTIONS

CROWNPOINT ELEMENTARY

P.O. DRAWER C

#1 MAIN STREET

CROWNPOINT, NM 87313

CROWNPOINT HIGH

P.O. BOX D

#1 CHACO DRIVE

CROWNPOINT, NM 87313

CROWNPOINT INSTITUTE OF TECHNOLOGY

LOWER POINT ROAD

CROWNPOINT, NM. 87313

NAVAJO CONNECTIONS

NAVAJO ELEMENTARY

P.O. BOX 1012

123 CEDAR AVE.

NAVAJO, NM 87328

NAVAJO PINE HIGH

P.O. BOX 1286

WEST WALNUT AVE.

NAVAJO, NM 87328

APPENDIX C. LOCATIONS (continued)

TOHATCHI CONNECTIONS

TOHATCHI ELEMENTARY

P.O. BOX 31

100 CHUSKA RD. - N HWY 666

TOHATCHI, NM 87325

TOHATCHI MIDDLE SCHOOL

P.O. BOX 322

MID SCHOOL LANE - N HWY 666

TOHATCHI, NM 87325

TOHATCHI HIGH SCHOOL

P.O. BOX 248

COUGAR LANE - N HWY 666

TOHATCHI, NM 87325

RAMAH CONNECTIONS

RAMAH ELEMENTARY

P.O. BOX 869

#17 EVANS CIRCLE

RAMAH, NM 87321

RAMAH HIGH SCHOOL

P.O. BOX 84

27 LEWIS STREET

RAMAH, NM 87321

APPENDIX C. LOCATIONS (continued)

THOREAU CONNECTIONS

THOREAU ELEMENTARY

P.O. BOX 839

#6 4TH AVENUE

THOREAU, NM 87323

THOREAU MIDDLE SCHOOL

P.O. DRAWER A

#8 HAWK CIRCLE

THOREAU, NM 87323

THOREAU HIGH SCHOOL

P.O. BOX 96

#4 HAWK CIRCLE

THOREAU, NM 87323

GALLUP CONNECTIONS

CHEE DODGE ELEMENTARY

P.O. BOX 4039

5 MI. N. HIGHWAY 666

YAH-TA-HEY, NM 87375

CHURCH ROCK ELEMENTARY

P.O. BOX 14

43 CHALLENGER ROAD

CHURCH ROCK, NM 87311

APPENDIX C. LOCATIONS (continued)

Gallup Connections (continued)

EDUCATIONAL DEVELOPMENT CENTER

1000 EAST AZTEC

GALLUP, NM 87301

GALLUP CENTRAL HIGH SCHOOL

325 MARGARITE ST.

GALLUP, NM 87301

GALLUP JR. HIGH SCHOOL

680 S. BOARDMAN

GALLUP, NM 87301

GALLUP HIGH SCHOOL

P.O. BOX 39

1055 RICO STREET

GALLUP, NM 87301

GALLUP MIDDLE SCHOOL

1001 S. GRANDVIEW

GALLUP, NM 87301

INDIAN HILLS ELEMENTARY

3604 CINIZA DRIVE

GALLUP, NM 87301

JEFFERSON ELEMENTARY

300 MOLLIKA DRIVE

GALLUP, NM 87301

APPENDIX C. LOCATIONS (continued)

Gallup Connections (continued)

JOHN F. KENNEDY MIDDLE SCHOOL
600 SOUTH BOARDMAN
GALLUP, NM 87301

LINCOLN ELEMENTARY
801 WEST HILL
GALLUP, NM 87301

JUAN DE ONATE ELEMENTARY
505 EAST VEGA
GALLUP, NM 87301

RED ROCK ELEMENTARY
1305 RED ROCK DRIVE
GALLUP, NM 87301

ROCKY VIEW ELEMENTARY
345 BASILLO DRIVE
GALLUP, NM 87301

ROOSEVELT ELEMENTARY
400 EAST LOGAN
GALLUP, NM 87301

STAGECOACH ELEMENTARY
725 FREEDOM DRIVE
GALLUP, NM 87301

APPENDIX C. LOCATIONS (continued)

Gallup Connections (continued)

WASHINGTON ELEMENTARY
700 WEST WILSON
GALLUP, NM 87301

OTHER CONNECTIONS

SMITH LAKE ELEMENTARY
DRAWER A CPO
HIGHWAY 371
SMITH LAKE, NM 87323

TWIN LAKES ELEMENTARY
FARMINGTON STAR ROUTE 4
19 MILES N HWY 666
GALLUP, NM 87301

DAVID SKEET ELEMENTARY
GENERAL DELIVERY
RT. 45 CHICHILTAH ROAD
VANDERWAGON, NM 87326

APPENDIX D. EQUIPMENT

| <i>Equipment</i> | <i>Component Description</i> | | <i>Mfgr.</i> | <i>Qty.</i> | <i>Feature Code/Part No.</i> |
|------------------------|---|-------------------------------|--------------|-------------|------------------------------|
| Network Electronics | 8237 Hubs | M003 | IBM | 364 | 8237-300 p/n 85H8860 |
| | | M001 | IBM | 380 | 8237-100 p/n 85H8840 |
| | | FOIRL Mod | IBM | 176 | FC#8866 p/n 85H8866 |
| | 8271 Switch | M612 | IBM | 67 | 8271-612 p/n 86H2793 |
| | | M624 | IBM | 10 | 8271-624 p/n 86H2794 |
| | | 155 Mbps MMF Uplink Module | IBM | 77 | FC#1330 p/n 02L1330 |
| | 8285 Switch | FOIRL to Cat5 Adapter | | 176 | |
| | | 8285 Base Unit | IBM | 43 | 8285-00B p/n 47H2287 |
| | | Control Point V3 PNNI | IBM | 43 | FC#5509 p/n 10J2458 |
| | 8265 Switch | Expansion Unit | IBM | 43 | FC#5502 p/n 47H2421 |
| | | 155 Mbps MMF Card | IBM | 42 | FC#5500 p/n 47H2290 |
| | | 155 Mbps SMF Card | IBM | 1 | FC#5501 p/n 51H3860 |
| | 8265 Switch | Universal Code Download Kit | IBM | 3 | FC#3150 p/n 80G3150 |
| | | 8265-17S | IBM | 36 | 8265-17S p/n 13J8690 |
| | | Pwr Supply | IBM | 108 | FC#8027 p/n 13J8706 |
| | 8265 Switch | Pwr Cord | IBM | 108 | FC#8040 p/n 6952301 |
| | | Controller Module | IBM | 36 | FC#8000 p/n 13J8708 |
| | | Control Point / Switch Module | IBM | 36 | FC#6501 p/n 13J8704 |
| | 8260 Modules (8285 Expansion & 8265 Slots 1, 3, 5 or 7) | PCMCIA PNNI | IBM | 36 | FC#6526 p/n 02L3057 |
| | | 16M Memory | IBM | 36 | FC#6516 p/n 13J8698 |
| | | Code Download Kit | IBM | 3 | FC#3150 p/n 02L2437 |
| | 8260 Modules (8285 Expansion & 8265 Slots 1, 3, 5 or 7) | MSS Module | IBM | 36 | FC#5400 p/n 08L2763 |
| | | MSS Microcode | IBM | 36 | FC#8708 p/n 08L2650 |
| | | MSS Flash Card | IBM | 36 | FC#8711 p/n 08L2762 |
| | 8260 Modules (8285 Expansion & 8265 Slots 1, 3, 5 or 7) | 4 Port 155 Mbps MMF | IBM | 9 | FC#6540 p/n 02L2414 |
| | | 4 Port 155 Mbps Flex | IBM | 34 | FC#6543 p/n 13J8738 |
| | | 155 Mbps MMF Daughter Card | IBM | 59 | FC#6580 p/n 02L2416 |
| | 8260 Modules (8285 Expansion & 8265 Slots 1, 3, 5 or 7) | 155 Mbps SMF Daughter Card | IBM | 13 | FC#6581 p/n 02L2418 |
| | | 3 Port 155 Mbps Module | IBM | 2 | FC#5003 p/n 51H4474 |
| | | 155 Mbps MMF Daughter Card | IBM | 6 | FC#8800 p/n 58G9667 |
| | 8260 Modules (8285 Expansion & 8265 Slots 1, 3, 5 or 7) | 12 Port 25 Mbps Module | IBM | 70 | FC#5012 p/n 13J8713 |
| | | 155 Mbps MMF Card | IBM | 8 | FC#8510 p/n 13J8733 |
| | | WAN 2 Adapter | IBM | 29 | FC#5602 p/n 13J8734 |
| | 8260 Modules (8285 Expansion & 8265 Slots 1, 3, 5 or 7) | DS3 Daughter Card | IBM | 25 | FC#8502 p/n 13J8716 |
| | | OC3 SMF Daughter Card | IBM | 7 | FC#8503 p/n 13J8717 |
| | | ATM Carrier Module | IBM | 38 | FC#5102 p/n 13J8730 |
| | 8260 Modules (8285 Expansion & 8265 Slots 1, 3, 5 or 7) | FiberCom ACE 4 Port Card | FiberCom | 33 | |
| | | FiberCom ACE 8 Port Card | FiberCom | 5 | |

APPENDIX D. EQUIPMENT

Server Products

| | | | | |
|------------|---|-----|---|-----------|
| Web Server | IBM Netfinity 3500 PII 266MHz, 512KB L2 Cache, 64MB ECC, No HDD, 24X CD-ROM, PCI/ISA, 10/100 PCI ENET, 16-Bit ISA Audio, 1.44MB 3.5" FDD, 104 Keyboard, 2 Btn Mouse, Wide Ultra SCSI Controller, 3 Year On-Site Warranty. | IBM | 1 | 864420U |
| | IBM 64MB ECC SDRAM DIMM | IBM | 1 | 04K0074 |
| | IBM 128MB ECC SDRAM DIMM | IBM | 1 | 04K0075 |
| | IBM 4/8GB TR4 Int. EIDE Tape Drive | IBM | 1 | 06H9720 |
| | IBM G52 Stealth Gray 15" SVGA Color Monitor | IBM | 1 | 654640N |
| | IBM 4.5GB Ultrastar Wide Ultra SCSI HDD | IBM | 1 | 76H2687 |
| | 10/100 EtherJet PCI Adapter w/WOL | IBM | 1 | 85H9921 |
| | Acad. Win NT v4.0 w/5 Client Access | MS | 1 | 227-01024 |
| | Acad. Lotus Domino Go Webserver Pro v4.3 | IBM | 1 | 27220 |

Appl&Firewall Srvr

| | | | | |
|--|--|-----|---|-----------|
| | IBM Netfinity 7000 PPro 200MHz w/512KB Cache, 256MB ECC, No HDD, 8X CD-ROM, PCI/ISA, 10/100 PCI ENET, 16-Bit ISA Audio, 1.44MB 3.5" FDD, 104 Keyboard, 2 Btn Mouse, Wide Ultra SCSI Controller, 3 Year On-Site Warranty. | IBM | 1 | 8651-TH0 |
| | IBM 10/100 ISA ENET ADAPTER | IBM | 1 | 25H3501 |
| | IBM 25 ATM MODULE | IBM | 3 | 42H0525 |
| | IBM 20/40GB Tape Drive 8MM | IBM | 1 | 76H0485 |
| | IBM G52 Stealth Gray 15" SVGA Color Monitor | IBM | 1 | 654640N |
| | NETFINITY PPRO 200 PROCCESOR UPGRD | IBM | 3 | 94G7147 |
| | IBM NETFINITY 1024MB UPGRADE KIT | IBM | 3 | 94G7386 |
| | IBM 4.5GB WIDE ULTRA SCSI SCA-2 HDD | IBM | 5 | 94G7429 |
| | IBM SCSI TERMINATOR FOR NETFINITY 7000 | IBM | 1 | 94G7587 |
| | Acad. Win NT v4.0 w/5 Client Access | MS | 1 | 227-01024 |
| | IBM FIREWALL V3.2 UNLIMITED USER | IBM | 1 | 04L0994 |
| | Acad. Upgrade Lotus Domino v4.5 Sngl Prcsr | IBM | 1 | 90335 |

School Appl Server

| | | | | |
|--|---|-----|----|-----------|
| | IBM Netfinity 3500 PII 266MHz, 512KB L2 Cache, 64MB ECC, No HDD, 24X CD-ROM, PCI/ISA, 10/100 PCI ENET, 16-Bit ISA Audio, 1.44MB 3.5" FDD, 104 Keyboard, 2 Btn Mouse, Wide Ultra SCSI Controller, 3 Year On-Site Warranty. | IBM | 32 | 864420U |
| | IBM 64MB ECC SDRAM DIMM | IBM | 32 | 04K0074 |
| | IBM 128MB ECC SDRAM DIMM | IBM | 32 | 04K0075 |
| | IBM 4/8GB TR4 Int. EIDE Tape Drive | IBM | 32 | 06H9720 |
| | IBM G52 Stealth Gray 15" SVGA Color Monitor | IBM | 32 | 654640N |
| | IBM PCI ServeRAID II Ultra SCSI F/W Adapter | IBM | 32 | 76H3584 |
| | IBM 4.5GB Ultrastar Wide Ultra SCSI HDD | IBM | 96 | 76H2687 |
| | 10/100 EtherJet PCI Adapter w/WOL | IBM | 32 | 85H9921 |
| | Acad. Win NT v4.0 w/5 Client Access | MS | 32 | 227-01024 |

APPENDIX D. EQUIPMENT

| | | | | |
|---------------------|---|-----|----|-----------|
| NetVista Servers | IBM Netfinity 3500 PII 266MHz, 512KB L2 Cache, 64MB ECC, No HDD, 24X CD-ROM, PCI/ISA, 10/100 PCI ENET, 16-Bit ISA Audio, 1.44MB 3.5" FDD, 104 Keyboard, 2 Btn Mouse, Wide Ultra SCSI Controller, 3 Year On-Site Warranty. | IBM | 32 | 864420U |
| | IBM 64MB ECC SDRAM DIMM | IBM | 32 | 04K0074 |
| | IBM 128MB ECC SDRAM DIMM | IBM | 32 | 04K0075 |
| | IBM 4/8GB TR4 Int. EIDE Tape Drive | IBM | 32 | 06H9720 |
| | IBM G52 Stealth Gray 15" SVGA Color Monitor | IBM | 32 | 654640N |
| | IBM PCI ServeRAID II Ultra SCSI F/W Adapter | IBM | 32 | 76H3584 |
| | IBM 4.5GB Ultrastar Wide Ultra SCSI HDD | IBM | 96 | 76H2687 |
| | 10/100 EtherJet PCI Adapter w/WOL | IBM | 32 | 85H9921 |
| | Acad. Win NT v4.0 w/5 Client Access | MS | 32 | 227-01024 |
| | NetVista Server Version 2.0 | IBM | 32 | 04L3471 |

APPENDIX D. EQUIPMENT

Exchange
(X)

| | | |
|----------------------------------|--------|--------|
| EPN PBX | Lucent | 15 |
| Prologix PBX | Lucent | 16 |
| G3R/EPN PBX | Lucent | 1 |
| Attendant Consoles supported | Lucent | 37 * |
| 10 Button display sets supported | Lucent | 406 * |
| 2500 SL Telephones supported | Lucent | 1363 * |

* The quantities of Attendant Consoles, 10-Button display sets, and 2500 SL Telephones supported are the aggregate totals for all of the PBXs.

Change Request
003

IBM Customer Agreement Project Change Authorization

Both of us agree to modify the referenced Statement of Work for Network Design and Implementation Services for Gallup McKinley County Public Schools (GMCS), accepted by GMCS on January 5, 1998, and any applicable terms as follows:

Scope of Services: This Project Change Authorization provides authorization for IBM to proceed with limited planning activities in preparation for the Phase 2 portion of the referenced Statement of Work (Phase 2 Statement of Work is provided in Project Change Authorization #2, accepted by GMCS on April 7, 1998). IBM's responsibilities under this Project Change Authorization are limited only to those activities outlined in the attached Attachment 1 to this Project Change Authorization.

It is specifically understood by IBM and GMCS that delaying full implementation of the Phase 2 portion of the referenced Statement of Work (estimated to begin May 1, 1998) may require reducing the Phase 2 project scope. Upon IBM's receipt of notification that the District has received project funding, IBM will work with the District to restructure the Phase 2 portion of the Statement of Work to incorporate only that work which can be successfully completed during calendar year 1998.

These Services do not address the capability of your systems to handle data within and between the twentieth and twenty-first centuries. You acknowledge that it is your responsibility to assess your current systems and take appropriate action to migrate to Year 2000 ready systems.

This offer will expire on April 30, 1998.

All terms and conditions of the original contract apply to this Change Authorization.

Both of us agree that the complete agreement between us about these Services will consist of 1) this Change Authorization, 2) the referenced Statement of Work, and 3) the IBM Customer Agreement (or any equivalent agreement signed by both of us).

Agreed to:

Gallup McKinley County Schools.

By 

Name: David Oakes, Dir. of Tech.

Date: April 27, 1998

Agreed to:

International Business Machines Corporation

By 

Name: Donald Ambrose, Proj Mgr.

Date: April 27, 1998

Customer number: 3602033
Customer address: 701 South Boardman
Gallup, New Mexico 87305

IBM Customer Agreement number: HQ12291

Referenced Statement of Work number: SC037B2
Project Change Request/Authorization number: 003

Project name or identifier: Network Design and Implementation
Services for Gallup McKinley County Schools

IBM Office number: TDC

IBM Office address: 1605 LBJ Freeway,, Dallas, TX 75234

Attachment 1

IBM will provide GMCS with up to two (2) skilled resources to assist GMCS with the following Phase 2 planning activities:

- ♦ Task: Coordinate wiring closet construction activities with GMCS Project Teams. This activity entails multiple meetings with GMCS' construction staff to transfer knowledge regarding project-associated construction activities that GMCS must perform, and the required timing for such activities.
 - Deliverable Materials: Bi-weekly Status Reports as outlined in the deliverable entitled "Status Report." Specific areas of Status Reports to address above include "Problems, concerns, and recommendations" and "Other items of importance."
- ♦ Task: Establish classroom drop locations and drop functions per site and per closet.
 - Deliverable Materials: Drop Inventory Working Documents listing drop locations by wall and room number for each site. Should GMCS receive funding for the Phase 2 project, IBM will utilize these Drop Inventory Working Documents for the development of the Phase 2 deliverable entitled "As-Built Campus Cabling document." Note: Should USF funding not occur, IBM will provide Drop Inventory Working Documents to GMCS in 8 1/2" x 11" typewritten format.
- ♦ Task: Revise Project Plan, meeting newly defined schedules (specifically LEC schedules, site considerations, cabling crew schedules, closet construction).
 - Deliverable Materials: Involves revising the Project Plan created as part of a deliverable entitled "Network Systems Plan" during Phase 1 of this Project. Should USF funding not occur, IBM will provide GMCS with the updated Project Plan demonstrating May revisions.

This Project Change Authorization is estimated to start on April 27, 1998 and estimated to end on May 29, 1998.

IBM's charges, inclusive of travel expenses, to perform the activities outlined above is \$85,000 plus applicable taxes, currently estimated at approximately \$4,000. GMCS will be invoiced monthly for Services performed during the previous month. Invoices are payable upon receipt.

Better of Ad
Acceptance

GALLUP-MCKINLEY COUNTY PUBLIC SCHOOLS

P.O. BOX 1318

GALLUP, NEW MEXICO 87305-1318

(505) 722-7711 • FAX (505) 722-8916

TDD: (505) 722-7711 • EXT. 317#

**ROBERT GOMEZ
SUPERINTENDENT**

Eugene Thomas

Director

Special Education

David Oakes

Director

Technology

Ester Macias

Director

Secondary Instruction

L. naghan

Director

Elementary Instruction

INSTRUCTION SERVICES

April 1, 1998

Don Ambrose
Network Consultant
SW United States Consulting
Distributing Services

Dear Don:

I have reviewed the Network Strategy and Architecture Document as presented on March 16, 1998. The document describes several possible solutions, listing the strengths and limitations of each given the range of services the Network must support.

The following recommendations are made in the document:

- Wide Area Network Environment
- 155 Mbps Asynchronous Transfer Mode (ATM)
- Network Connections From U.S. West, Navajo Communications and Century Communications
- Local Area Network Environment
- 155 and 25 Mbps Asynchronous Transfer Mode (ATM) LAN and Switches
- 10 Mbps Ethernet LANs & Switches
- Internet Connection
- Single Leased Line Connection to Internet Service Provider (ISP)
- Single GMCS_connect.NET Firewall
- Single GMCS_connect.NET Primary Domain Name Server
- Network Management Considerations
- Maximize the SNMP and RMON Functionality of all Components
- Install a High Function Network Management Tool
- Automate the Asset Tracking Process With Network Tools
- Install On-Line Move-Add-Change System

I concur with these recommendations and accept the Network Strategy & Architecture document as presented.

Sincerely,



David Oakes
Director of Technology
Gallup McKinley County Schools

CC: Robert Gomez,
File

GALLUP-McKINLEY COUNTY PUBLIC SCHOOLS

P.O. BOX 1318

GALLUP, NEW MEXICO 87305-1318
(505) 722-7711 • FAX (505) 722-8916
TDD: (505) 722-7711 • EXT. 317#

**ROBERT GOMEZ
SUPERINTENDENT**

Ester Macias
Director
Secondary Instruction

Donagh
Director
Elementary Instruction

Eugene Thomas
Director
Special Education

David Oakes
Director
Technology

INSTRUCTION SERVICES

April 15, 1998

Don Ambrose
Network Consultant
SW United States Consulting
Distributing Services


Dear Don:

I have reviewed the Detailed Design Services Document as presented on March 31, 1998. The document describes the following solutions agreed upon to provide the range of services the Network must support:

- Wide Area Network Environment
- 155 Mbps Asynchronous Transfer Mode (ATM)
- Network Connections From U.S. West, Navajo Communications and Century Communications
- Local Area Network Environment
- 155 and 25 Mbps Asynchronous Transfer Mode (ATM) LAN and Switches
- 10 Mbps Ethernet LANs & Switches
- Internet Connection
- Single Leased Line Connection to Internet Service Provider (ISP)
- Single GMCS_connect.NET Firewall
- Single GMCS_connect.NET Primary Domain Name Server
- Network Management Considerations
- Maximize the SNMP and RMON Functionality of all Components
- Install a High Function Network Management Tool
- Automate the Asset Tracking Process With Network Tools
- Install On-Line Move-Add-Change System

I concur with the design and accept the document as presented.

Sincerely,



David Oakes
Director of Technology
Gallup McKinley County Schools

CC: Robert Gomez,
File